

PSURTSEV, N.D.

Dynamic plan of action for communication workers. Vest. svyazi
2 no.1:1-3 Ja '62. (MIRA 14:12)

1. Ministr svyazi SSSR.
(Telecommunication)

PSURTSEV, N.D.

Striving for high quality in service to the Soviet people. Vest.
svyazi 24 no.9:1-2 S '64. (MIRA 17:11)

1. Ministr svyazi SSSR.

PSURTSEV, N.D.

In the last year of the seven-year plan. Vest. svyazi 25 no.3:1-2
Mr '65. (MIRA 18:5)

1. Ministr svyazi SSSR.

PSURTSEV, N.

Present and future of soviet radio engineering. Radio no.5:9-12
My '65. (MIRA 18:5)

1. Ministr svyazi SSSR.

PSURTSEV, N.; KUZ'MIN, V.; DOGADIN, V.; FORTUSHENKO, A., prof.; GUSEV, I.;
BLOKHIN, A., kand. tekhn. nauk

Wealth of the millions. Radio no.8:4-6 Ag '64. (MIRA 17:11)

1. Ministr svyazi SSSR (for Psurtsev). 2. Nachal'nik Tekhnicheskogo
upravleniya Ministerstva svyazi SSSR (for Kuz'min). 3. Zamestitel'
nachal'nika Glavnogo upravleniya gorodskoy i sel'skoy telefonnoy svyazi
i radiofikatsii (for Dogadin). 4. Glavnyy inzh. Glavnogo upravleniya
gorodskoy i sel'skoy svyazi i radiofikatsii (for Gusev).

PSURTSEV, N.D.

The good name of soviet telecommunication workers. Vest, svyazi
22 no.11:1-2 N '62. (MIRA 16:12)

1. Ministr svyazi SSSR.

PSURTSEVA, M.D., otv. za vypusk; KHITROV, P.A., tekhn.red.

[Instructions on the technical maintenance of wire communication systems] Instruksiia po tekhnicheskomu soderzhaniiu ustroistv provodnoi svyazi. Vzamen instruktsii TsSh/1645 ot 6/VIII 1952 g. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1961. 103 p. (MIRA 14:6)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye signalizatsii i svyazi.

(Telephone, Automatic—Maintenance and repair)
(Telephone lines—Maintenance and repair)

PSURTSEVA, M.D., inzh.

Service communications on Ural roads. Avtom., telem.1
sviaz 2 no.4:30 Ap '59. (MIRA 12:12)

1. Otdel svyazi Glavnogo upravleniya signalizatsii i svyazi
Ministerstva putey soobshcheniya.
(Ural Mountain region--Railroads--Communications systems)

PSURTSEVA, M.D., inzh.

Make wide use of telephone sets equipped with taper recorders.
Avtom. telem. i sviaz' 2 no.11:39 N '58. (MIRA 11:12)

1.Otdel svyazi TSentral'nogo upravleniya signalizatsii i svyazi.
(Railroads--Telephone)

PSURTSEVA, M.D., inzh.

Modernizing local communication networks. Avtom., telem. i sviaz'
2 no. 8:21 Ag '58. (MIRA 11:8)

1. Otdel svyazi TSentral'nogo shifroval'nogo upravleniya (TsShU)
Ministerstva putey soobshcheniya.
(Railroads--Communication systems)

AUTHOR: Psvolovskiy, S.T.

121-2-13/20

TITLE: The machining of profiled surfaces on lathes. (Obrabotka
fasonnykh poverkhnostey na tokarnykh stankakh)

PERIODICAL: "Stanki i Instrument" (Machine Tools and Tools), 1957,
No.2, p. 37 (U.S.S.R.)

ABSTRACT: A fixture for spherical turning on a lathe is illustrated
in which the tool support is guided during the tool carriage
motion by a link attached to a fixed point on the lathe bed.

There is 1 figure.

AVAILABLE:

1/1

PSYENICHNYY, P.

Personnel Management

Conducting registration of staffs and making estimates of administrative and management expenses in an exemplary manner. Sov. fin. 12, no. 4, 1951

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, APRIL 1952, UNCLASSIFIED.

TUMASHEVA, N.I., dotsent; MAZORCHUK, S.G.; PSYUK, S.K.; CHAYKA, K.L.;
SHVARTS BURD, A.S.

Antistreptolysin O antihyaluronidase and cutaneous reactions to
antigens in psoriasis and lupus erythematosus. Vest. derm. i ven.
38 no.7:17-21 J1 '64. (MIRA 18:4)

1. Kafadra dermatologii (zav. - dotsent N.I.Tumasheva) Vinnitskogo
meditsinskogo instituta.

PSZCZOLKA, J.

"How we organized work in the ore dressing plant; experiences of Trinec workers who ensured fulfillment of the plan by better work organization.p.107"

HUDNIK, Vol.3, No. 5, May 1953, Czechoslovakia.

SO: Monthly List of East European Accessions, L.C.Vol. 2, No.11, Nov. 1953
Uncl.

PSZCZOLKOWSKI, E.

Farm buildings play an important part in the development of animal breeding.

p. 3 (Budownictwo Wiejskie) Vol. 7, no. 3, May/June 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

BRITTAIN, Robert; PSZCZOLKOWSKI, Andrzej [translator]

River technology and historical development. Kwart hist nauki
i tech 8 no.3:355-359 '63.

PSZCZOLKOWSKI, E.

"Increasing assistance to small farms; and opinion in a discussion at the 2nd Congress of the Polish United Workers Party." (p.16) "Resolution of the Council of Ministers on the development of collective farms, February 23, 1954." (p.18) NOWE ROLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Vol. 3, no. 4, Apr. 1954

SO: EAST European Accessions List, Vol 3, No. 8, August 1954

PSZCZOLKOWSKI, E.

"A fight for increased agricultural production, a major task of engineers and technicians in agriculture." p. 3 (Nowe Rolnictwo, Vol. 2, no. 2, Aug. 1953. Warszawa.)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954, Uncl.

PSZCZOLKOWSKI, J.

"Our horticultural achievements and experiences." p. 11
(Plon, Vol 4 No 1 Jan 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

PSZCZOLKOWSKI, W.

Extent of the action of infiltration irrigation on the heavy
marly soils of Zulawy.

p. 234
Vol. 15, no. 6, June 1955
GOSPODARKA WODNA
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

PSZCZOLKOWSKI, Zbigniew, mgr inż.

Realization of the principles of uniformity and reliability of
measurements in radioelectronics in Poland. Przegl telekom
35 no.5/6:156-161 My-Je '63.

1. Glowny Urzad Miar, Warszawa.

Pszenicki, A.

427. ...
* Pszenicki A. Riveted Steel Bridges.

624.85 : 621.884

„Mosty stalowe nitowane”. Warszawa, 1954, Wyd. Komunik., 160, *met*
459 pp., 681 figs., 54 tabs.

Deals with: principles of building steel bridges; roadway and foot-path, construction of surfaces of steel bridges; girders and bearings; arch and suspension bridges; the weight of steel constructions, bending and bridge testing.

ROZMOWY, A.; DZIEKOWSKI, K.; SEWERYN, E.

Way of defining the cost per working hour of an engine in building machinery.
p. 188. (PRZEMIAŁ I HANDL, Vol. 21, No. 6, June 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (MEL), 13, Vol. 3, No. 12, Dec.
1954, Uncl.

PSZENICKI, MAKSYMILLIAN,

TECHNOLOGY

PSZENICKI, MAKSYMILLIAN, ed. Kosztorysowanie robot budowlanych i montazowych.
Warszawa, Arkady, 1958. 375 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

COUNTRY : Poland E-2
CATEGORY : Analytical Chemistry. Analysis of Inorganic Substances.
ABB. JOUR. : AZHIM., No. 17, 1960, No. 69753
AUTHOR : Chaykov A.; Ivanova, L.; Shchegolev, V.
TITLE : Spectrophotometric Determination of Ammonium Ions by Means of Distillation with the Use of a Carrier
ORIG. PUB. : Chem. Zhurn., 1960, 3, No 5-6, 783-786
ABSTRACT : Description of semi-quantitative determination of ammonium ions, according to a modified method of ... of ... U. or of the ... the first ... heating for 3 hours at 100°. A medium ... with a p-toluene illumination system. ... for the analysis. A reagent ... for the test tube. Drying are carried ... The acid ... 10 ... exposure 30 seconds; The solution is evaporated ... 3.5 M diameter; ... During boiling of

MANDRYKA, A., kand. n. tech.; PSZCZOLKOWSKI, Andrzej [translator]

Physical fundamentals of gun recoil and rocket motion as seen
by scientist of the 17th and 18th centuries. Kwart hist nauki
i tech 7 no.4:447-460 '62.

PSZENICKI, Maksymilian, dr. (Warsaw, Poland); DABKOWSKI, A., mernok (Warsaw, Poland)

Experimental use of digital computers in budget preparations.
Epites szemle 8 no.3:83-88 '65.

PSZENICKI, Maksymilian (Warszawa)

Building economics and the five-year plan. Przegl budowl i bud
mieszk 34 no.1:6-10 Ja '62.

PSZENICKI, T.

~~The Kania 2 is the hope of our aviation clubs.~~

p. 7 (Skrzydłata Polaka) Vol. 13, no. 41, Oct. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

PSZONA, Stanislaw; ADAMSKA, Bozena; ZARNOWIECKI, Krzysztof

Whole-body counter for internal contamination control.
Mukleonika 8 no.8:565-572 '63.

1. Institute of Nuclear Research, Health Physics Department,
Warsaw.

*

KOSTYRKO, Andrzej; PSZONA, Stanislaw; ZARNOWIECKI, Krzysztof

Method of producing standard sources of contaminations for the calibration of dosimetric instruments. Nukleonika 7 no.6:428-429 '62.

1. Instytut Badan **Jadrowych**, Dzial Dozymetrii, Polska Akademia Nauk, Warszawa.

POLAND

MINCZEWSKI, Jerzy, prof. dr; PSZONICKA, Maria, mgr inż.

Department of Analytical Chemistry, Institute of Nuclear Research
(Zakład Chemii Analitycznej Instytutu Badań Jądrowych), Warsaw -
(for both).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1357-
1361.

"Utilization of Co(III) acetic acid solutions in oxidimetric titration.
Part 3: Potentiometric determination of antimony, tin, and iodides."

PSZONICKI, Leon

Spectrographic determination of impurities in nuclear pure uranium by means of preliminary carrier distillation. Chem anal 7 no.5:947-958 '62.

1. Department of Analytical Chemistry, Institute of Nuclear Research, Warsaw. Head of Department: Prof. J.Minczewski.

PSZONICKI, L.; WALEWSKA, Z.; CZAKOW, J.

Spectrographic determination of impurities in uranium oxide by means of carrier distillation. p. 753

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland. Vol. 3, no. 5/6, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959

Uncl.

PSZONICKI, Leon

Spectrographic determination of cadmium in uranium oxide by
fractional distillation. Chem anal 5 no.2:261-268 '60. (EEAI 10:3)

1. Zaklad Chemii Analitycznej Instytutu Badan Jadrowych PAN,
Warszawa. Kierownik Zakladu: Prof. dr. J.Minczewski.
(Spectrograph) (Cadmium) (Uranium oxides)
(Distillation)

PSZONICKI, Leon

Apparatus for preliminary fractional distillation in spectrographic analysis. Chem anal 5 no.1:139-147 '60. (EEAI 9:11)

1. Zaklad Chemii Analitycznej Instytutu Badan Jadrowych Polskiej Akademii Nauk, Warszawa.
(Distillation) (Spectrum analysis)

POLAND/Optics. Optical Methods of Analysis.

K

Abs Jour : Ref Zhur Fizika, No 11, 1959, 26250

Author : Czakow, Julian; Pszonicki, Leon; Walewska, Zofia

Inst : Institute for Nuclear Research, Polish Academy of Sciences, Warsaw

Title : Spectral Determination of Impurities in Uranium Oxide by the Method of Fractional Distillation with Carrier.

Orig Pub : Chem. analit., 1958, 3, No 5-6, 753-760

Abstract : The authors describe the application of the method of Scribner and Mullin (Scribner B.F., Mullin, H.R., Journal of Research, National Bureau of Standards, 1946, 37, 379) for a semi-quantitative determination of impurities in U_3O_8 . The carrier used was AgCl. Analytic lines and data are given on the absolute sensitivity of the method for 14 elements. -- V. Slavnyy

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- 116 -

PSZONICKI, Leon (ul.Dorodna 16, Warszawa 9, Poland)

Studies in the evaporation of the elements from refractory spectrographic samples. Acta chimica Hung 30 no.3:351-358 '62.

1. Institut für Kernforschung der Polnischen Akademie der Wissenschaften, Abteilung für analytische Chemie.

PSZONICKI, Leon; MINCZEWSKI, Jerzy

The influence of chemical processes on fractional distillation of spectrographic samples. Chemia anal 7 no.1:99-104 '62.

1. Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.

PSZONKA, B.

"Production and dissipation of frictional heat in the mechanical wood-grinding process" by B.Steenberg, A.Nordstrand. Reviewed by B.Pszonka. Przegl papier 18 no.10:336 0 '62.

PSZONKA, B.

"Anodic protection of alkaline pulping digester" by T.R.B.
Watson. Reviewed by B.Pszonka. Przegl papier 18 no.10:336 O
'62.

COUNTRY : Poland E-24
CATEGORY :
ABST. JOUR. : RZChim., No. 1959, No. 88092
AUTHOR : Pszonka, B.; Sarnecki, K.
INST. :
TITLE : Determination of Sugars in Spent Sulfite
Liquor
ORIG. PUB. : Chem. analit., 1958, 3, No 3-4, 695-702
ABSTRACT : No abstract.

CARD:

238

PSZONKA, B.; SARNECKI, K.

Determination of sugars in sulfite liquor. p. 699.

CHEMIA ANALITYCZNA. (Komisja Analitczna Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland, Vol. 3, no. 3/4 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

PSZONKA, W.

Problem of labor in the furniture industry.

P. 50. (Przemysl Drzewny. Vol. 7, no. 2, Warszawa, Poland) Feb. 1956.

Monthly Index of East European Accession (EFAI) LC. VOL.7, no. 2,
February: 1958

PSZONKA, Wladyslaw

Economic efficiency of technical and organizational progress.
Przem drzewny 12 no.8:18-20 '61.

PSZONKA, W.

Popularization of the leading work methods in the furniture industry. p. 234.
(PRZEMYSŁ DRZEWNY. Vol. 7, no. 8, Aug. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

ISZCZYA, W.

ISZCZYA, W. Collective factory contracts in the furniture industry. p. 243.

Vol. 5, No. 3, Sept. 1955

Prace Komisji

Wieloletni

Wieloletni, -Wieloletni

So: East European Accession, Vol. 5, No. 5, May 1956

PSZONKA, Wladyslaw

The effectiveness of technical and organizational progress in the
furniture industry. Przem drzew 12 no.10:13-16 '61.

(Poland—Furniture industry)

PSZONKA, W.

The wage adjuster, an element in increasing the qualification of professional workers.

p. 13, Vol. 6, no. 8, Aug. 1955. PRZEMYSŁ DRZEWNY. Warszawa.

SO: East European Accessions List, (EEAL), IC, Vol. 5, no. 2, Feb. 1956

Poland/Chemical Technology -- Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1581

Author: Pszytyng, E.

Institution: None

Title: The Belgian Glass Industry

Original

Periodical: Szklo i ceram., 1956, Vol 7, No 7-8, 229-231; Polish

Abstract: None

Card 1/1

PTACEK, Adolf, inz.

Chemically bonded textiles. Tech praca 16 no.2:101-102 F'64.

1. Vyzkumny ustav vinarsky, Brno.

1ST AND 2ND EDITIONS
PROCESSES AND PROPERTIES INDEX
3RD AND 4TH EDITIONS

COMMON ELEMENTS

OPEN

MATERIALS INDEX

SUGGESTIONS FOR THE PERFECTION OF THE ROBERT DIFFUSION.

Bohumir Ptáček. *Lišty cukrové*. 57, 202-5 (in German, 2057) (1939).—In a theoretical dissertation, P. describes the functioning of an inclined diffusion cell in which the axis of the cell slopes from 30 to 40° depending upon the quality of the beet slices. In such cells the walls support most of the wt. of the beet slices, the lower layers of beets support only a portion of the wt. of the overlying beets, and the hydrodynamic resistance to the flow of diffusion liquids is low.

Frank Maresh

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COMMON VARIABLE INDEX

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Upper limit of the absolute temperature. R. Prigogine (Chem. Obzor, 1939, 14, 129).—The upper limit of abs. temp. is calc. to be 1.08×10^{13} K. F. R.																																																			
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A general technical evaluation of the operating procedure.
Bohumir Práček. *Listy Hutn.* 58, 325-7 (1940).
—P. gives 2 methods for calc. the yield of the daily
operations of a factory suitable for quick computations,
even when the operations change periodically.
Frank Maresh

ASAC SLA METALLURGICAL LITERATURE CLASSIFICATION

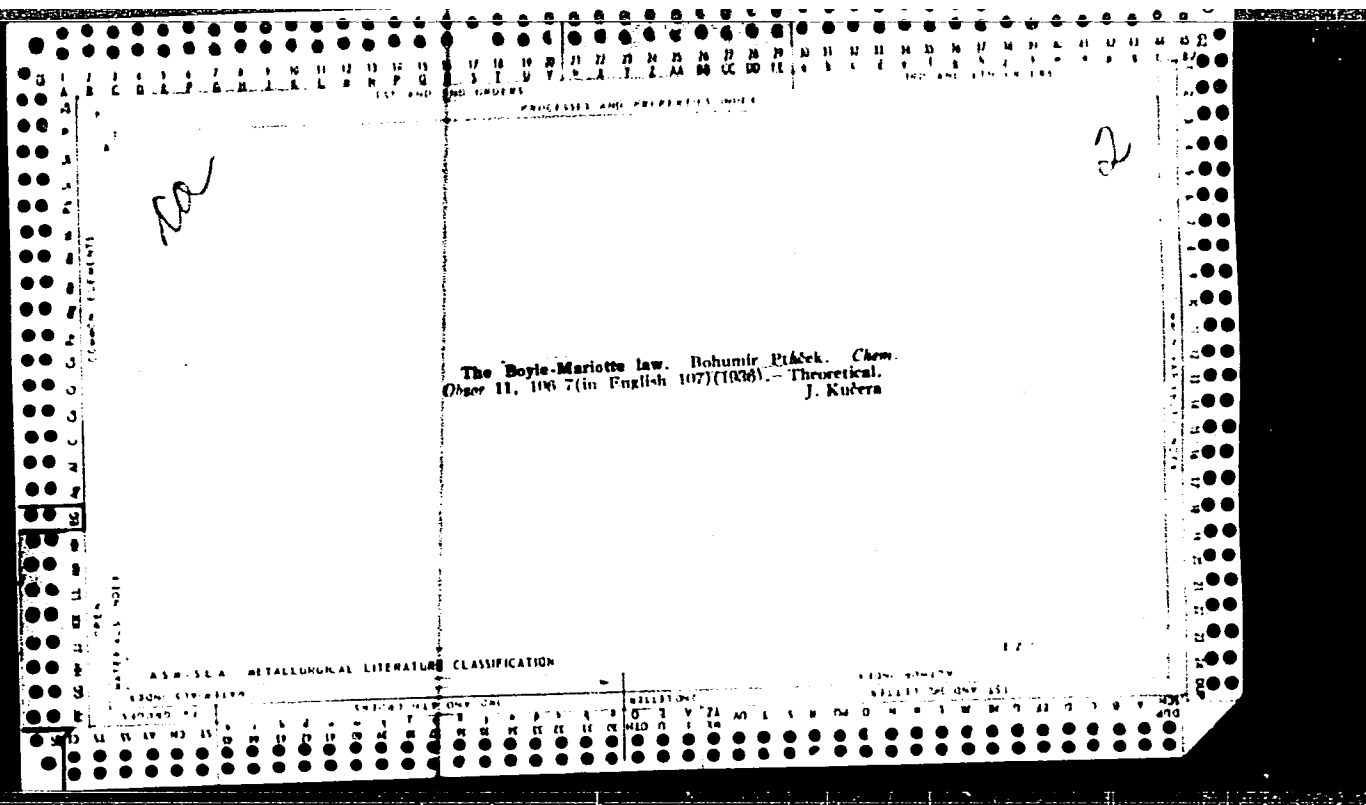
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LIST AND 2ND ORDERS																																																																													
Theory of extraction [of sugar]. Bohumir Ptacek. <i>Listy Chemické</i>, 52, 482-4 (1934).--For liquids entering the filter presses and contg. a solid (sediment) and a liquid phase, P. derives the formulas for both phases separately. For the solid phase (k) the av. sugar concn. $\phi[Z_{m,n}]_k = 1 - (1/m)2^{m(n-1)} \times S_k$, where $S_k = \sum_{n=1}^m \left\{ \frac{m+n}{n-1} + \frac{m+n}{n-3} + \frac{m+n}{n-5} + \dots \right\}$, ϕ is a factor, Z is the concn. of sugar, m represents the kg. of the solid phase at $Z\%$ sugar, n represents the extg. phase at $Z\%$ sugar. For the liquid phase (e) the av. sugar concn. $\phi[Z_{m,n}]_e = 1 - (1/n)2^{m(n-1)} \times S_e$, where $S_e = \sum_{n=1}^m \left\{ \frac{m+n}{n-1} + \frac{m+n}{n-3} + \frac{m+n}{n-5} + \dots \right\}$. The formulas can be represented as a ratio: $m:n = \phi[Z_{m,n}]_e : [1 - \phi[Z_{m,n}]_k]$. For technical calcns. the m can be taken as 100 and the n will have to range from 120 to 200. Measurements in filtering stations show that the sediment represents 40-50% and the liquid 50-60% of the total mass before extrn. Frank Matosh																																																																													
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The consumption of steam in a sugar factory with a pressure evaporator and the computation of possible steam economies made after the manner of V. Jakes. Bohumir Ptacek. <i>Listy Cukrovar.</i> 34, 21 (1935). P-M-----																									
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The density and volume of water in the temperature range 0-100°. Bohunir <i>Pracek</i>, <i>Litv. Kubrov</i>, 51, 403-4; <i>Z. Zuckerind. Technol.</i>, <i>Rep.</i> 57, 348 (1923). Based upon the detns. of Thiesen, Scherle and Dieselhorst the d. of H₂O over the range 0-100° can be computed from the equation $\log \sigma = 3.00000 - 0.000019843 (T - 277)^2$, where σ is the d. of the H₂O and T is the abs. temp. The max. deviation of the calcd. d. from the detd. value was 0.27%; the deviation between the logarithms for the calcd. and detd. ds. was 0.04%. Frank Maresh																																																																													
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COMMON VARIABLES INDEX																			
<i>ca</i> The upper limit of the absolute temperature. Bohm, <i>Physik. Chem. Ober 14, 130(1930)</i>.—For an ideal gas the max. limit of the abs. temp. computed from an interrelation between $p = NRT$, the universal gas const., and the max. relative kinetic energy was 1.08×10^{11} degrees abs. Frank Marsh <i>2</i>																			
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PROCESSES AND PROPERTIES INDEX

The theory of extraction. IV. Extraction on filter presses. Bohmisch Pabek. *Lästy Cakrover*. 58, 19-22 (1936); cf. C.A.B. 88: 7887. —P. derives a math. expression which expresses the limits of extn. in filter presses.
Frank Marsh

CONDENSED LITERATURE CLASSIFICATION

1ST AND 2ND DEGREE																											100 AND 1TH DEGREE																										
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<i>CA</i> The theory of extraction. IV. Extraction on filter presses. <i>Institute Ptech. Insty Chikimur.</i> 88, 10-22 (1938); cf. C. A. 30, 7288. — G. derives a math. expression which expresses the limits of extrn. in filter presses. Frank Marsh																																																					
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ca Tall diffusion-bodies. II. Bohumir Ptáček. <i>Listy Cukrovar.</i> 57, 305-71 (in German, 371-2) (1939) ref. C: A. 33, 84307. — Because Robert-diffusion cells, even in modern industry, have too many armatures, large surface dimensions, excessive heat loss, etc., P. gives diagrams and specifications for 3 prototypes of tall diffusion bodies which eliminate most of the undesirable features of the Roberts' type of diffusion batteries. Frank Maresch																																																			
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PROCESSING AND PROPERTIES INDEX

Suggestions for the perfection of the Robert diffusion.
Bohumir Pláček. *Listy Cukrovar.* 37, 292-5 (in German,
295) (1939).--In a theoretical dissertation, P. describes
the functioning of an inclined diffusion cell in which the
axis of the cell slopes from 30 to 60° depending upon the
quality of the beet slices. In such cells the walls support
most of the wt. of the beet slices, the lower layers of beets
support only a portion of the wt. of the overlying beets,
and the hydrodynamic resistance to the flow of diffusion
liquids is low. Frank Mareš

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COMMON ALIEMENT OPEN MATERIALS INDEX PROCESSES AND PROPERTIES A review of diffusion procedures. Bohumir Práček, <i>Listy Cukrovir.</i> 57, 278 NO(in German; 290)(1939). P. classifies and discusses the diffusion processes used in the sugar-beet industry since 1846. Frank Maresh 28 COMMON VARIETY INDEX									
COMMON ALIEMENT OPEN MATERIALS INDEX ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION ESBOM: STRENGTH ESBOM: DENSITY ESBOM: ONE ONLY COMMON VARIETY INDEX									

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CA 28 Theory of extraction. V. The extraction in filter presses. Bohumir Ptáček. <i>Listy Cukrovar.</i> 55, 125-7, 133-5(1936); -cf- <i>GA</i>: 90, 7915'.—P. derives math. equations which govern the movement of sugar from the sediment into the liquor of a filter press. Frank Maresh ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
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Handwritten text: *A contribution to the theory of extraction. Bohumir Piatek:—Lesty Cukrovar. 54, 146-8(1930); cf. C. A. 28, 7057.—P. gives a detailed mathematical analysis of the extrn. of sugar from sediments in the filter presses. Frank Maresh*

Metallurgical Literature Classification Table:

Metallurgical Literature Classification									
Metallurgical Literature Classification					Metallurgical Literature Classification				
Metallurgical Literature Classification					Metallurgical Literature Classification				
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423d
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Determination of the viscosity of oils at low temperatures. Z. Špeira and J. Práček. Strojirenství 9, 532-34 (1959). The d. and kinematic viscosity of oils was detd. at -40° to approximate operating conditions of refrigeration equipment. The d. was measured with a Mohr-Westphal balance, and the viscosity with a tech. rotational viscometer according to Horák. R. Zahradník

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Draft of a standard for designing waste water purification.
Strojirenstvi 14 no.7:537-538 JI '64.

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tech 9 no.9:323-326 S '61.

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303 Ag '63.

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Large diameter boreholes in hydrogeological survey. Geol pruzkum
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New technique in intermediate roll casting in the national enterprise
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Let E be an n -dimensional subspace of $C(T)$, T compact Hausdorff. The classical theorem of Haar states that, for $T=[0, 1]$, each x in $C(T)$ has a unique nearest point in E if and only if each y in E , $y \neq 0$, has at most $n-1$ zeros in T . The author gives a short proof of this result for the case when T is compact Hausdorff, using elementary theorems on finite dimensional convex sets. The theorems of Čebyšev and de la Vallée-Poussin concerning the function in E nearest to x (for the case $T=[0, 1]$) follow easily.

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Let E be an n -dimensional subspace of $L_1[a, b]$ such that each y in E is continuous on $[a, b]$. The author gives an extremely short proof of the following theorem: Each continuous x in $L_1[a, b]$ has a unique nearest point in E (with respect to the L_1 norm) provided each y in E , $y \neq 0$, has at most $n-1$ zeros in the interior of $[a, b]$. (Part of the proof is contained in the supplement.) [Another proof of this theorem appears in N. I. Ahiezer and M. G. Kreĭn, *On some problems in the theory of moments*, Gosudarstv. Nauč.-Tehn. Izdat. Ukraĭn., Har-kov, 1938; Ch. 4; and a slightly less general version in N. I. Ahiezer, *Theory of approximation*, Ungar Publ. Co., New York, 1956; MR 20 #1872; pp. 76-81.] Some related results are obtained.

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Let A be a compact subset of an n -dimensional vector space. Then the symmetrical convex envelope of A is compact and consists of all vectors of the form $\sum_{i=1}^n \lambda_i a_i$, where $a_i \in A$ and the numbers λ_i fulfill the inequality $\sum_{i=1}^n |\lambda_i| \leq 1$.

From the author's summary

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